

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 10017470 A

(43) Date of publication of application: 20.01.98

(51) Int. CI

A61K 31/44

A61K 31/44

A61K 31/44

A61K 31/445

A61K 31/47

A61K 31/495

A61K 31/535

// C07D401/12

C07D401/14

C07D401/14

C07D413/12

C07D413/14

C07D417/12

C07D498/04

C07D513/04

(21) Application number: 08173863

(22) Date of filing: 03.07.96

(71) Applicant:

YOSHITOMI PHARMACEUT IND

LTD

(72) Inventor:

HIRAYAMA FUMIHIRO YOKOYAMA YOSHIHITO IKEDA TAKASHI

SANO MITSUHARU KAWAKITA TAKESHI

## (54) MEDICINE COMBINATION CONTAINING PYRIDINE

## (57) Abstract:

PROBLEM TO BE SOLVED: To obtain a medicine which is effective for eliminating Helicobacter pylori, treatment of ulcers and prevention of recurrence of ulcers.

SOLUTION: A pyridine of the formula ( $R^1$  is H, a halogen, an alkyl;  $R^2$  and  $R^3$  are H, a halogen, an alkyl; -P=Q- is -CH=CH-, -N=CH-, -CH=N-; A is O, S, N( $R^4$ );  $R^4$  is H, an alkyl; (n) is 0, 1, 2; B is S(O)<sub>p</sub>; (p) is

0, 1, 2; D is a single bond, an alkylene,  $(L-O)_q$ ; L is ethylene, vinylene; (q) is 1-1,000; E is H, an alkyl) or its salt is combined with an antiulcer agent to prepare the objective medicine. As an antiulcer agent, are cited a proton pump inhibitor, a histamine  $H_2$  antagonist or protection factor enhancer and the like. The daily dose is 0.1-50mg/kg of the compound of the formula and 0.01-10mg/kg of the antiulcer agent in the case of a proton pump inhibitor, 0.1-100mg/kg in the case of a histamine  $H_2$  antagonist and 1.0-100mg/kg in a protection factor enhancer.

COPYRIGHT: (C)1998,JPO

$$R^1$$
 $R^2$ 
 $R^3$ 
 $R^4$ 
 $R^4$ 
 $R^4$